

Review of: "An Approach to Robust Fatigue Life Prediction to Be Used in Early Design Stages"

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Potential competing interests: No potential competing interests to declare.

The article presents a potential approach (called a tool by the authors) to proceed with fatigue life assessment in the early stages of the design process, combining structural analysis with design of experiments.

The article is well structured, quite explicit, with sufficient details, and with calculation results supporting conclusions.

In terms of potential improvements, I suggest avoiding repetition of the same sentences in the article development and either in the abstract or the conclusion section. Copy/paste of the same sentence does not sound professional; moreover, there are enough potential details to be added, such as to explain or, at least, cite the techniques coming from Solid Mechanics and Quality Management.

Concerning the content in depth, some questions arise: Is there any experimental validation of the proposed approach? Any testing in the lab or data collection from in-service to compare with the calculations? Possibilities to extend to other industries versus economic aspects?

If not, future developments, constraints in research, a.s.o., may be added.

Good continuation, and thank you for the opportunity to review!

I liked the proposed contribution.